

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 7-16-80	
Company Northwest Pipeline Corporation		Connection New Completion	
Pool Gobernador		Formation Pictured Cliffs	
Completion Date 6-18-80		Total Depth 3888	Plug Back TD 3882
Elevation 6818		Farm or Lease Name San Juan 29-5 Unit	
Csg. Size 2.875	Wt. 6.4	Set At 2.441	Set At 3888
Perforations: From 3782 To 3854		Well No. 97	
Tng. Size None	Wt.	Set At	Perforations: From To
Unit P		Sec. 15	Twp. 29N
Range 5W		County Rio Arriba	
Type Well - Single - Brazenhead - G.G. or G.O. Multiple Gas - Tubingless Completion		Packer Set At None	State New Mexico
Producing Thru Casing	Reservoir Temp. *F B	Mean Annual Temp. *F	Baro. Press. - P _a 12.0
L	H	G _{est.} .620	% CO ₂
		% N ₂	% H ₂ S
Prover Pos. Choke		Meter Run	Taps

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. *F	Press. p.s.i.g.	Temp. *F	Press. p.s.i.g.	Temp. *F	
1.	2 X .750			214		65°			953		SIP
2.									214		3 hrs.
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor Fpv	Rate of Flow Q, Mcfd
1.	9.604		226	.9952	1.270	1.020	2798
2.							
3.							
4.							
5.							

NO.	P _r	Temp. *R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/lb.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separable Gas	X X X X X X X X
3.					Specific Gravity Flowing Fluid	X X X X X
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 965	P _c ² 931225	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1054$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0889$
NO. 1	P _w 298	P _w ² 88804	P _c ² - P _w ² 842421
2.			
3.			
4.			
5.			

Absolute Open Flow 3047 Mcfd @ 15.025		Angle of Slope @	Slope, n .85
Remarks: Blew med. fog of water for first 8 min, then clear gas for rest of test.			
GL.	1-e-s	(Fc Q) ²	R ²
2345	.157	241234	37874
Approved By Commission:		Conducted By: Bill Beevers	Calculated By: Kelly Baird
		Checked By:	